

Betydelsen av arbetsrelaterad stress för temporomandibulär dysfunktion (smärta och funktionsstörningar i käksystemet), rapport 364 (2023)

Bilaga 2 Exkluderade artiklar/ Appendix 2 Excluded studies

Referens/Reference	Exklusionsorsak/Main reason for exclusion
Ahlberg J, Nikkila H, Kononen M, Partinen M, Lindholm H, Sarna S, et al. Associations of perceived pain and painless TMD-related symptoms with alexithymia and depressive mood in media personnel with or without irregular shift work. <i>Acta Odontol Scand.</i> 2004;62(3):119-23. Available from: https://doi.org/10.1080/00016350410006257 .	Wrong study design
Ahlberg J, Rantala M, Savolainen A, Suvinen T, Nissinen M, Sarna S, et al. Reported bruxism and stress experience. <i>Community Dent Oral Epidemiol.</i> 2002;30(6):405-8. Available from: https://doi.org/10.1034/j.1600-0528.2002.00007.x .	Wrong study design
Ahlberg J, Savolainen A, Rantala M, Lindholm H, Kononen M. Reported bruxism and biopsychosocial symptoms: a longitudinal study. <i>Community Dent Oral Epidemiol.</i> 2004;32(4):307-11. Available from: https://doi.org/10.1111/j.1600-0528.2004.00163.x .	Wrong exposure
Ahlberg J, Wiegers JW, van Selms MKA, Peltomaa M, Manfredini D, Lobbezoo F, et al. Oro-facial pain experience among symphony orchestra musicians in Finland is associated with reported stress, sleep bruxism and disrupted sleep-Independent of the instrument group. <i>J Oral Rehabil.</i> 2019;46(9):807-12. Available from: https://doi.org/10.1111/joor.12818 .	Wrong study design
Ahlberg K, Ahlberg J, Kononen M, Partinen M, Lindholm H, Savolainen A. Reported bruxism and stress experience in media personnel with or without irregular shift work. <i>Acta Odontol Scand.</i> 2003;61(5):315-8. Available from: https://doi.org/10.1080/00016350310006753 .	Wrong outcomes
Akhter R, Hassan NM, Aida J, Kanehira T, Zaman KU, Morita M. Association between experience of stressful life events and muscle-related temporomandibular disorders in patients seeking free treatment in a dental hospital. <i>Eur J Med Res.</i> 2007;12(11):535-40.	Wrong study design
Altundas Hatman E, Torun SD. Occupational diseases among call center operators needing vocal rehabilitation. <i>Med Lav.</i> 2022;113(3):e2022026. Available from: https://doi.org/10.23749/mdl.v113i3.12897 .	Wrong study design
Amalina FN, Tanti I, Maxwell D. The relationship between temporomandibular disorder and work stress in type C private hospital nurses. <i>Journal of Stomatology.</i> 2018;71(3):249-53. Available from: https://doi.org/10.5114/jos.2018.80640 .	Wrong study design
Amorim MI, Jorge AI. Association between temporomandibular disorders and music performance anxiety in violinists. <i>Occup Med (Lond).</i> 2016;66(7):558-63. Available from: https://doi.org/10.1093/occmed/kqw080 .	Wrong study design

Ariens GA, Bongers PM, Hoogendoorn WE, Houtman IL, van der Wal G, van Mechelen W. High quantitative job demands and low coworker support as risk factors for neck pain: results of a prospective cohort study. <i>Spine (Phila Pa 1976).</i> 2001;26(17):1896-901; discussion 902-3. Available from: https://doi.org/10.1097/00007632-200109010-00016 .	Wrong outcomes
Bragatto MM, Bevilaqua-Grossi D, Regalo SC, Sousa JD, Chaves TC. Associations among temporomandibular disorders, chronic neck pain and neck pain disability in computer office workers: a pilot study. <i>J Oral Rehabil.</i> 2016;43(5):321-32. Available from: https://doi.org/10.1111/joor.12377 .	Wrong study design
Bueno CH, Pereira DD, Pattussi MP, Grossi PK, Grossi ML. Gender differences in temporomandibular disorders in adult populational studies: A systematic review and meta-analysis. <i>J Oral Rehabil.</i> 2018;45(9):720-9. Available from: https://doi.org/10.1111/joor.12661 .	Wrong exposure
Buscemi V, Chang WJ, Liston MB, McAuley JH, Schabrun SM. The Role of Perceived Stress and Life Stressors in the Development of Chronic Musculoskeletal Pain Disorders: A Systematic Review. <i>J Pain.</i> 2019;20(10):1127-39. Available from: https://doi.org/10.1016/j.jpain.2019.02.008 .	Wrong exposure
Buse DC, Greisman JD, Baigi K, Lipton RB. Migraine Progression: A Systematic Review. <i>Headache.</i> 2019;59(3):306-38. Available from: https://doi.org/10.1111/head.13459 .	Wrong outcomes
Charbotel B, Croidieu S, Vohito M, Guerin AC, Renaud L, Jaussaud J, et al. Working conditions in call-centers, the impact on employee health: a transversal study. Part II. <i>Int Arch Occup Environ Health.</i> 2009;82(6):747-56. Available from: https://doi.org/10.1007/s00420-008-0351-z .	Wrong outcomes
Cheng Y, Guo YL, Yeh WY. A national survey of psychosocial job stressors and their implications for health among working people in Taiwan. <i>Int Arch Occup Environ Health.</i> 2001;74(7):495-504. Available from: https://doi.org/10.1007/s004200100254 .	Wrong outcomes
da Costa BR, Vieira ER. Risk factors for work-related musculoskeletal disorders: A systematic review of recent longitudinal studies. <i>Am J Ind Med.</i> 2010;53(3):285-323. Available from: https://doi.org/10.1002/ajim.20750 .	Wrong outcomes
Eli I, Zigler-Garburg A, Winocur E, Friedman-Rubin P, Shalev-Antsel T, Levartovsky S, et al. Temporomandibular Disorders and Bruxism among Sex Workers-A Cross Sectional Study. <i>J Clin Med.</i> 2022;11(22):08. Available from: https://doi.org/10.3390/jcm11226622 .	Wrong study design
Emodi Perelman A, Eli I, Rubin PF, Greenbaum T, Heiliczer S, Winocur E. Occupation as a potential contributing factor for temporomandibular disorders, bruxism, and cervical muscle pain: a controlled comparative study. <i>Eur J Oral Sci.</i> 2015;123(5):356-61. Available from: https://doi.org/10.1111/eos.12210 .	Wrong study design
Fillingim RB, Ohrbach R, Greenspan JD, Knott C, Diatchenko L, Dubner R, et al. Psychological factors associated with development of TMD: the OPPERA prospective cohort study. <i>J Pain.</i> 2013;14(12 Suppl):T75-90. Available from: https://doi.org/10.1016/j.jpain.2013.06.009 .	Wrong exposure

Gayathri M, Duraisamy R, Kumar MPS. Effects of stress on oral health among information technology professionals in chennai. Drug Invent Today. 2018;10(8):1468-73.	Wrong study design
Hagberg C, Hagberg M, Kopp S. Musculoskeletal symptoms and psychosocial factors among patients with craniomandibular disorders. Acta Odontol Scand. 1994;52(3):170-7. Available from: https://doi.org/10.3109/00016359409027592 .	Wrong study design
Han W, Kwon SC, Lee YJ, Park C, Jang EC. The associations between work-related factors and temporomandibular disorders among female full-time employees: findings from the Fourth Korea National Health and Nutrition Examination Survey IV (2007-2009). Ann Occup Environ Med. 2018;30:42. Available from: https://doi.org/10.1186/s40557-018-0253-9 .	Wrong study design
Hanna K, Nair R, Armfield JM, Brennan DS. Temporomandibular dysfunction among working Australian adults and association with workplace effort-reward imbalance. Community Dent Health. 2020;37(4):253-9. Available from: https://doi.org/10.1922/CDH_000051Hanna07 .	Wrong study design
Hernández CG, Félix Verduzco RO, Mercado Ibarra SM, Ruiz ES, Flores RG, Cruz DM, et al. Asociación entre el síndrome de dolor miofascial y sintomatología ansiosa en docentes de educación superior = Association between myofascial pain syndrome and anxious symptomatology in college professors. Psicología y Salud. 2018;28(1):57-61.	Written in other language
Kaergaard A, Andersen JH. Musculoskeletal disorders of the neck and shoulders in female sewing machine operators: prevalence, incidence, and prognosis. Occup Environ Med. 2000;57(8):528-34. Available from: https://doi.org/10.1136/oem.57.8.528 .	Wrong outcomes
Kanehira H, Agariguchi A, Kato H, Yoshimine S, Inoue H. Association between stress and temporomandibular disorder. Nihon Hotetsu Shika Gakkai Zasshi. 2008;52(3):375-80. Available from: https://doi.org/10.2186/jips.52.375 .	Wrong study design
Kilinç HE, ÜNver B, Sari M, Tunç AR, Bek N. Determinants of Temporomandibular Dysfunction and Bruxism in Academicians. Türk Fizyoterapi ve Rehabilitasyon Dergisi. 2022;33(1):31-8. Available from: https://doi.org/10.21653/tjpr.936817 .	Wrong study design
Krause N, Burgel B, Rempel D. Effort-reward imbalance and one-year change in neck-shoulder and upper extremity pain among call center computer operators. Scand J Work Environ Health. 2010;36(1):42-53. Available from: https://doi.org/10.5271/sjweh.2881 .	Wrong outcomes
Lee KS, Jha N, Kim YJ. Risk factor assessments of temporomandibular disorders via machine learning. Sci Rep. 2021;11(1):19802. Available from: https://doi.org/10.1038/s41598-021-98837-5 .	Wrong study design
Leino PI, Hanninen V. Psychosocial factors at work in relation to back and limb disorders. Scand J Work Environ Health. 1995;21(2):134-42. Available from: https://doi.org/10.5271/sjweh.20 .	Wrong outcomes
Loureiro S, Carnide F, Benavides FG, Lucas R. Psychosocial Work Environment and Musculoskeletal Symptoms among 21-Year-Old Workers: A Population-Based	Wrong study design

Investigation (2011-2013). PLoS One. 2015;10(6):e0130010. Available from: https://doi.org/10.1371/journal.pone.0130010 .	
Lurie O, Zadik Y, Einy S, Tarrasch R, Raviv G, Goldstein L. Bruxism in military pilots and non-pilots: tooth wear and psychological stress. Aviat Space Environ Med. 2007;78(2):137-9.	Wrong study design
Manfredini D, Landi N, Bandettini Di Poggio A, Dell'Osso L, Bosco M. A critical review on the importance of psychological factors in temporomandibular disorders. Minerva Stomatol. 2003;52(6):321-6, 7-30.	Wrong study design
Marin M, Rodriguez Y, Gamboa E, Rios J, Rosas J, Mayta-Tovalino F. Level of work stress and factors associated with bruxism in the military crew of the Peruvian Air Force. Med J Armed Forces India. 2019;75(3):297-302. Available from: https://doi.org/10.1016/j.mjafi.2019.01.001 .	Wrong study design
Martins RJ, Saliba-Garbin CA, Biage Candido N, Isper Garbin AJ, Saliba Rovida TA. [Prevalence of temporomandibular disorders among industrialworkers. Association with stress and sleep disorder]. Rev Salud Publica (Bogota). 2016;18(1):142-51. Available from: https://doi.org/10.15446/rsap.v18n1.47613 .	Written in other language
Molina-Torres G, Roman P, Butilca A, Sanchez-Labracá N, Cardona D, Gonzalez-Sánchez M. Relationship between Temporomandibular Disorders and Psychological and Sleep Aspects in University Teaching Staff: A Regression Model. J Clin Med. 2020;9(12):07. Available from: https://doi.org/10.3390/jcm9123960 .	Wrong study design
Moradpoor H, Raissi S. Assessment of the relationship between stress and temporomandibular joint disorder in athletes. Indian J Forensic Med Toxicol. 2019;13(4):399-403. Available from: https://doi.org/10.5958/0973-9130.2019.00323.2 .	Wrong study design
Nakata A, Takahashi M, Ikeda T, Hojou M, Araki S. Perceived psychosocial job stress and sleep bruxism among male and female workers. Community Dent Oral Epidemiol. 2008;36(3):201-9. Available from: https://doi.org/10.1111/j.1600-0528.2007.00388.x .	Wrong outcomes
Nevalainen N, Lahdesmaki R, Maki P, Ek E, Taanila A, Pesonen P, et al. Association of stress and depression with chronic facial pain: A case-control study based on the Northern Finland 1966 Birth Cohort. Cranio. 2017;35(3):187-91. Available from: https://doi.org/10.1080/08869634.2016.1193960 .	Wrong patient population
Nieuwenhuijsen K, Bruinvelds D, Frings-Dresen M. Psychosocial work environment and stress-related disorders, a systematic review. Occup Med (Lond). 2010;60(4):277-86. Available from: https://doi.org/10.1093/occmed/kqq081 .	Wrong outcomes
Norman K, Nilsson T, Hagberg M, Tornqvist EW, Toomingas A. Working conditions and health among female and male employees at a call center in Sweden. Am J Ind Med. 2004;46(1):55-62. Available from: https://doi.org/10.1002/ajim.20039 .	Wrong outcomes
Oda M, Sawamura Y, Yatagai T, Kojima T, Morie Y, Miyagi M, et al. [Relation between temporomandibular joint disorder and subjective symptoms of fatigue]. Nihon Koshu Eisei Zasshi. 1999;46(10):922-8.	Written in other language

Ohrbach R, Bair E, Fillingim RB, Gonzalez Y, Gordon SM, Lim PF, et al. Clinical orofacial characteristics associated with risk of first-onset TMD: the OPPERA prospective cohort study. <i>J Pain</i> . 2013;14(12 Suppl):T33-50. Available from: https://doi.org/10.1016/j.jpain.2013.07.018 .	Wrong exposure
Ohrbach R, Fillingim RB, Mulkey F, Gonzalez Y, Gordon S, Gremillion H, et al. Clinical findings and pain symptoms as potential risk factors for chronic TMD: descriptive data and empirically identified domains from the OPPERA case-control study. <i>J Pain</i> . 2011;12(11 Suppl):T27-45. Available from: https://doi.org/10.1016/j.jpain.2011.09.001 .	Wrong exposure
Peixoto KO, Resende C, Almeida EO, Almeida-Leite CM, Conti PCR, Barbosa GAS, et al. Association of sleep quality and psychological aspects with reports of bruxism and TMD in Brazilian dentists during the COVID-19 pandemic. <i>J Appl Oral Sci</i> . 2021;29:e20201089. Available from: https://doi.org/10.1590/1678-7757-2020-1089 .	Wrong study design
Pihut M, Orczykowska M, Gala A. Risk factors for the development of temporomandibular disorders related to the work environment - a literature review and own experience. <i>Folia Med Cracov</i> . 2022;62(3):43-9. Available from: https://doi.org/10.24425/fmc.2022.142367 .	Wrong study design
Rantala MA, Ahlberg J, Suvinen TI, Nissinen M, Lindholm H, Savolainen A, et al. Temporomandibular joint related painless symptoms, orofacial pain, neck pain, headache, and psychosocial factors among non-patients. <i>Acta Odontol Scand</i> . 2003;61(4):217-22. Available from: https://doi.org/10.1080/00016350310004089 .	Wrong study design
Rantala MAI, Ahlberg J, Suvinen TI, Savolainen A, Könönen M. Symptoms, signs, and clinical diagnoses according to the research diagnostic criteria for temporomandibular disorders among Finnish multiprofessional media personnel. <i>J Orofac Pain</i> . 2003;17(4):311-6.	Wrong study design
Righi MP, De Godoi APT, Venezian GC, Degan VV, de Menezes CC. Temporomandibular disorder symptoms, sleep quality, and burnout syndrome in teachers. <i>Cranio</i> . 2021:1-6. Available from: https://doi.org/10.1080/08869634.2021.1966585 .	Wrong study design
Rohani B, Neshati A, Najafi S, Amini K, Shirani MJ. Comparing the psychological stress and health of masticatory system in military pilots to non-pilot officers. <i>J Mil Med</i> . 2018;20(3):290-8.	Written in other language
Saputra C, Tanti I, Himawan L. Job stress and TMD in productive age (study on accountants in Jakarta). <i>Journal of Dentistry Indonesia</i> . 2016;23:69-73.	Wrong study design
Saruhanoglu A, Gokcen-Rohlig B, Saruhanoglu C, Ongul D, Koray M. Frequency of temporomandibular disorder signs and symptoms among call center employees. <i>Cranio</i> . 2017;35(4):244-9. Available from: https://doi.org/10.1080/08869634.2016.1216823 .	Wrong study design
Schmitter M, Kares-Vrincianu A, Kares H, Malsch C, Schindler HJ. Chronic stress and temporalis muscle activity in TMD patients and controls during sleep: a pilot study in females. <i>Clin Oral Investig</i> . 2019;23(2):667-72. Available from: https://doi.org/10.1007/s00784-018-2474-2 .	Wrong study design

Schmitter M, Keller L, Giannakopoulos N, Rammelsberg P. Chronic stress in myofascial pain patients. <i>Clin Oral Investig.</i> 2010;14(5):593-7. Available from: https://doi.org/10.1007/s00784-009-0330-0 .	Wrong study design
Shivaprasad AH. Work related stress of nurses. <i>J Psychiatr Nurs.</i> 2013;2(2):53-8.	Wrong outcomes
Sipila K, Ylostalo PV, Ek E, Raustia AM. Association of stress level with facial pain: the role of coping. <i>Cranio.</i> 2008;26(3):216-21. Available from: https://doi.org/10.1179/crn.2008.029 .	Wrong study design
Slade GD, Diatchenko L, Bhalang K, Sigurdsson A, Fillingim RB, Belfer I, et al. Influence of psychological factors on risk of temporomandibular disorders. <i>J Dent Res.</i> 2007;86(11):1120-5. Available from: https://doi.org/10.1177/154405910708601119 .	Wrong exposure
Slade GD, Fillingim RB, Sanders AE, Bair E, Greenspan JD, Ohrbach R, et al. Summary of findings from the OPPERA prospective cohort study of incidence of first-onset temporomandibular disorder: implications and future directions. <i>J Pain.</i> 2013;14(12 Suppl):T116-24. Available from: https://doi.org/10.1016/j.jpain.2013.09.010 .	Wrong study design
Suvinen TI, Ahlberg J, Rantala M, Nissinen M, Lindholm H, Kononen M, et al. Perceived stress, pain and work performance among non-patient working personnel with clinical signs of temporomandibular or neck pain. <i>J Oral Rehabil.</i> 2004;31(8):733-7. Available from: https://doi.org/10.1111/j.1365-2842.2004.01312.x .	Wrong study design
Tay KJ, Yap AU, Wong JCM, Tan KBC, Allen PF. Associations between symptoms of temporomandibular disorders, quality of life and psychological states in Asian Military Personnel. <i>J Oral Rehabil.</i> 2019;46(4):330-9. Available from: https://doi.org/10.1111/joor.12751 .	Wrong study design
Torp S, Riise T, Moen BE. The impact of psychosocial work factors on musculoskeletal pain: a prospective study. <i>J Occup Environ Med.</i> 2001;43(2):120-6. Available from: https://doi.org/10.1097/00043764-200102000-00010 .	Wrong outcomes
Unell L, Johansson A, Carlsson GE, Halling A, Soderfeldt B. Changes in reported orofacial symptoms over a ten-year period as reflected in two cohorts of fifty-year-old subjects. <i>Acta Odontol Scand.</i> 2006;64(4):202-8. Available from: https://doi.org/10.1080/00016350500520276 .	Wrong exposure
Vaishali S, Santhosh Kumar MP, Duraisamy R. Impact of education and occupational status on temporomandibular joint disorders among dental patients-a retrospective study. <i>Int J Dent Oral Sci.</i> 2020;2(Special Issue 12):1-6.	Wrong exposure
van Selms MKA, Wiegers JW, Lobbezoo F, Visscher CM. Are vocalists prone to temporomandibular disorders? <i>J Oral Rehabil.</i> 2019;46(12):1127-32. Available from: https://doi.org/10.1111/joor.12849 .	Wrong study design
Vickroy MV. A prospective analysis of environmental, physiological, and psychosocial components of work-related myalgia: ProQuest Information & Learning; 1999. Available from:	Wrong study design

https://search.ebscohost.com/login.aspx?direct=true&db=psyh&AN=1999-95012-135&site=ehost-live	
Wagner BA, Moreira Filho PF, Bernardo VG. Association of bruxism and anxiety symptoms among military firefighters with frequent episodic tension type headache and temporomandibular disorders. Arq Neuropsiquiatr. 2019;77(7):478-84. Available from: https://doi.org/10.1590/0004-282X20190069 .	Wrong exposure
Wagner BA, Moreira Filho PF, Bernardo VG. Association of bruxism and anxiety symptoms among military firefighters with frequent episodic tension type headache and temporomandibular disorders. Arq Neuropsiquiatr. 2019;77(7):478-84. Available from: https://doi.org/10.1590/0004-282X20190069 .	Wrong exposure
Wahlstrom J, Lindegard A, Ahlborg G, Jr., Ekman A, Hagberg M. Perceived muscular tension, emotional stress, psychological demands and physical load during VDU work. Int Arch Occup Environ Health. 2003;76(8):584-90. Available from: https://doi.org/10.1007/s00420-003-0454-5 .	Wrong study design
Ye Z, Honda S, Abe Y, Kusano Y, Takamura N, Imamura Y, et al. Influence of work duration or physical symptoms on mental health among Japanese visual display terminal users. Ind Health. 2007;45(2):328-33. Available from: https://doi.org/10.2486/indhealth.45.328 .	Wrong outcomes
Yoon HJ, Lee SH, Hur JY, Kim HS, Seok JH, Kim HJ. Relationship between stress levels and treatment in patients with temporomandibular disorders. J Korean Assoc Oral Maxillofac Surg. 2012;38:326-31.	Wrong exposure
Yoshida K. Clinical and Phenomenological Characteristics of Patients with Task-Specific Lingual Dystonia: Possible Association with Occupation. Front Neurol. 2017;8:649. Available from: https://doi.org/10.3389/fneur.2017.00649 .	Wrong outcomes
Yoshino K, Suzuki S, Ishizuka Y, Takayanagi A, Sugihara N, Kamijyo H. Relationship between job stress and subjective oral health symptoms in male financial workers in Japan. Ind Health. 2017;55(2):119-26. Available from: https://doi.org/10.2486/indhealth.2016-0120 .	Wrong study design
Yunita Y, Tanti I, Dewi RS. Association of stress with temporomandibular disorder in Indonesian Air Force Pilots. J Int Dent Med Res. 2019;12(3):1100-5.	Wrong study design